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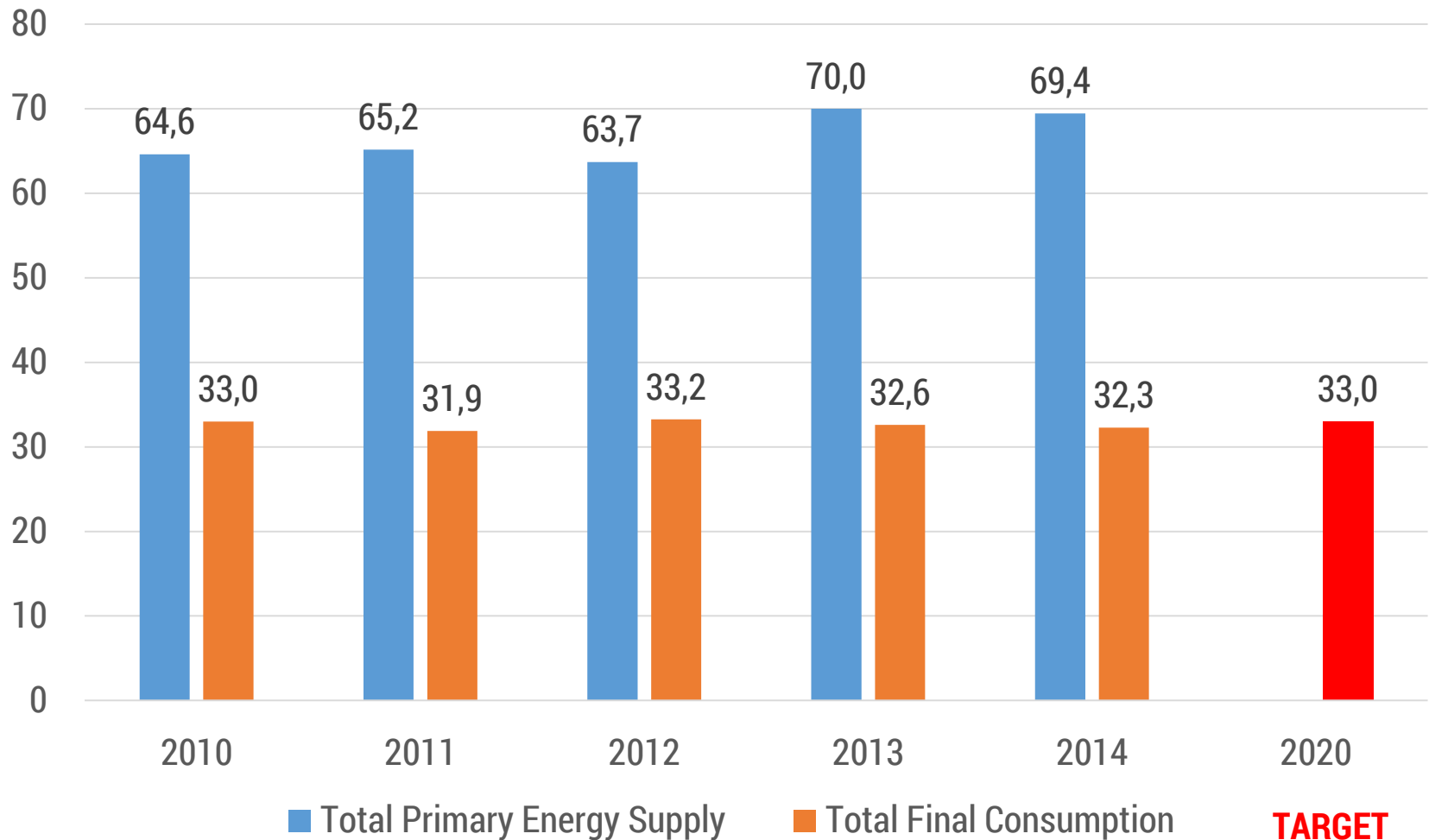
Energy efficiency in Estonia

Madis Laaniste

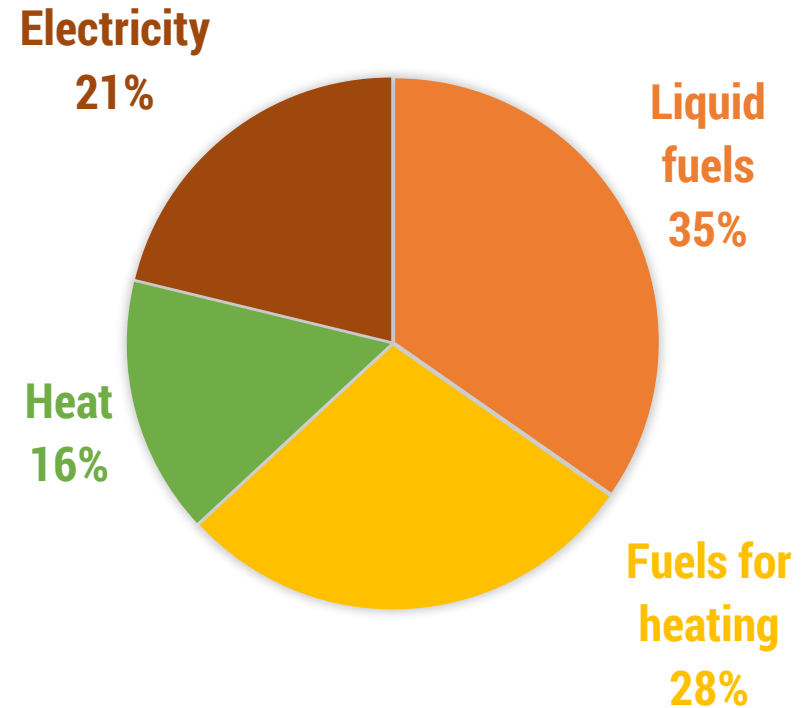
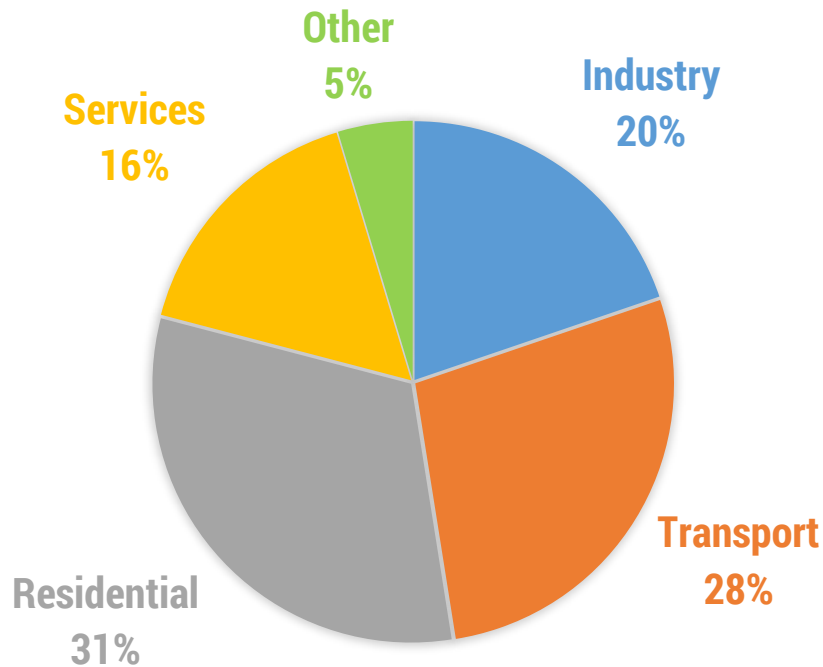
Strategic Planning Manager
Energy Department

11.05.2016

Energy consumption trends and energy efficiency target for 2020 (TWh)



Structure of final energy consumption and consumption in sectors (2014)



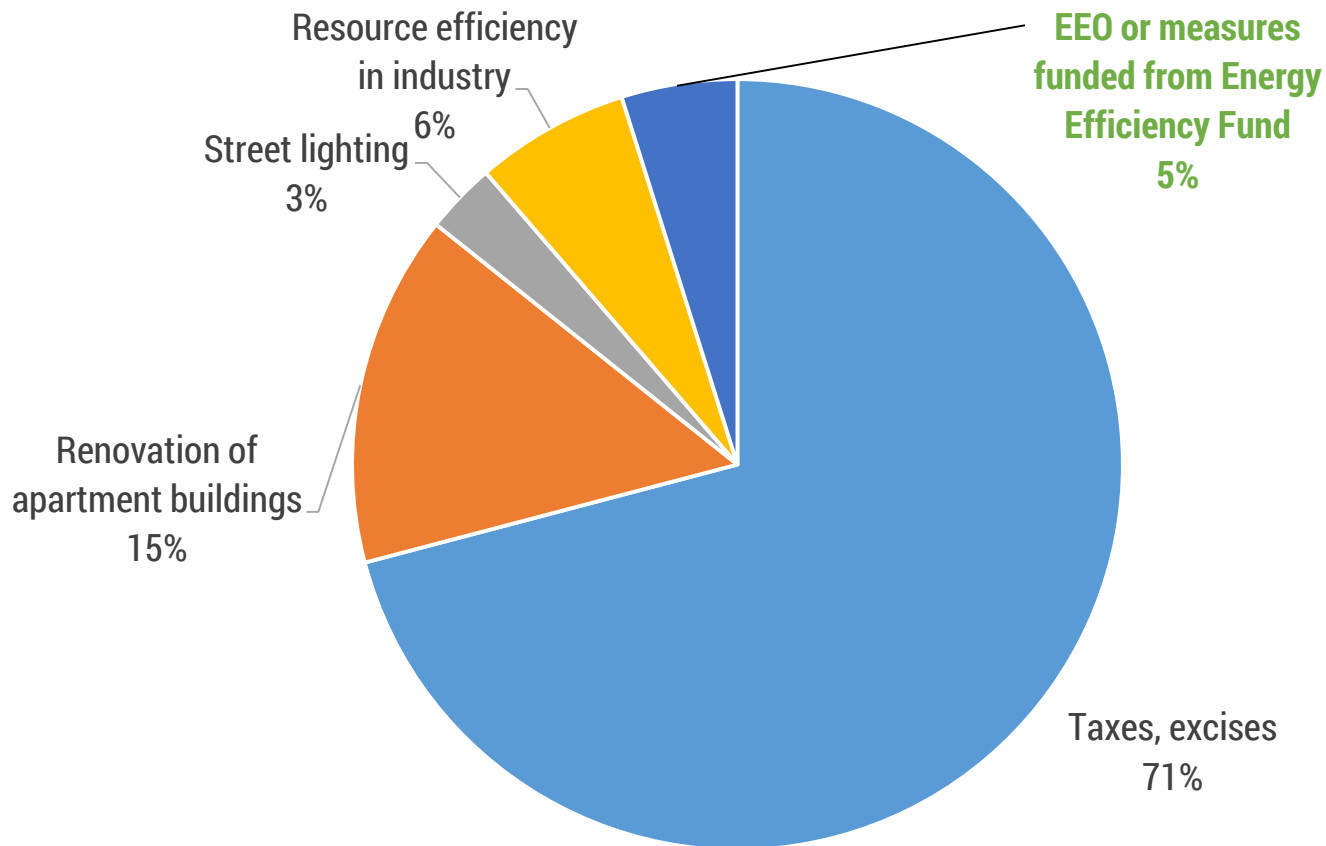
Energy Sector Development Plan until 2030 (energy efficiency)

- In 2030
 - Buildings
 - 40% single family houses = C or D energy class; apartment buildings 50% = C; other buildings 20% = C);
 - Renovated space of public buildings: 960 000 m²;
 - **Expected savings in 2030: -17% vs 2010 (~ 3 TWh)**
 - Transport
 - Stabilise energy consumption on the road at the level of 2012 (8,3 TWh)

Key national measures to deliver the targets

- Taxation and excises of energy products
- Support schemes for energy efficiency
 - Apartment buildings
 - Street lighting
 - Resource efficiency in industry
- Energy Management Coordination Act
 - Energy Efficiency Obligation Scheme (DSOs in electricity and gas, energy suppliers; threshold 100 GWh/year
 - Energy Efficiency Fund

Contribution of various energy efficiency measures to national Art 7 target 2014-2020

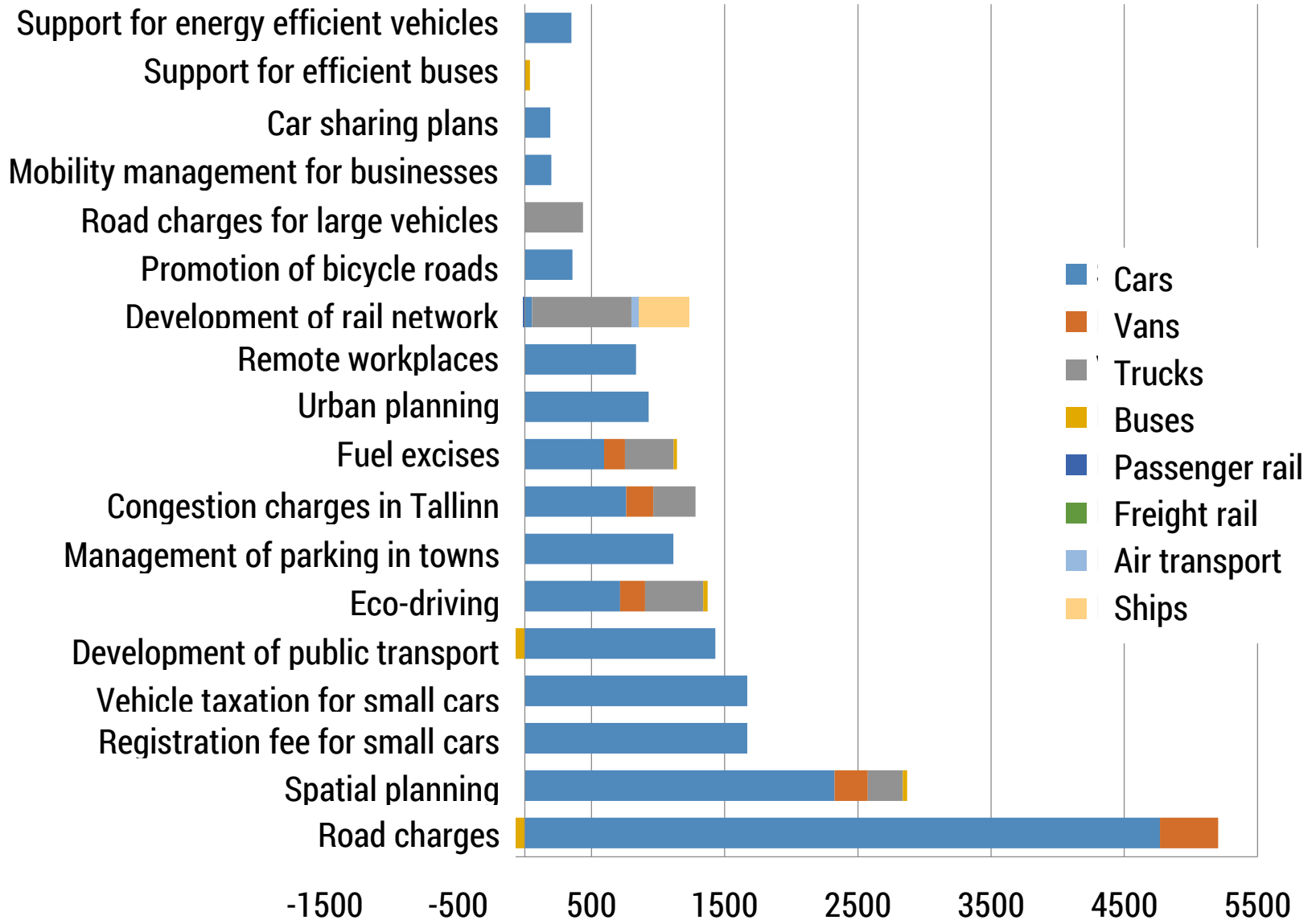


Total cumulative energy efficiency target 2014-2020: 7,1 TWh

Energy efficiency in buildings – key measures

- Renovation of housing supported from public funds
- Requirements for new buildings
- Additional requirements for spatial planning
 - Increase (population) density in areas having good public transport
 - Adopt infrastructure payments for property development in areas without good connections
- Renovation of public buildings

Energy saving potential in transport, TJ



Energy union and energy efficiency

- Energy efficiency need to be addressed with measures on EU level (products, cars) and nationally (transport, buildings, businesses)
- Regional cooperation:
 - Decrease barriers for businesses and workforce
 - Simple measures with high transparency
 - Exchange of best practices
 - etc



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Thank you!

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